Yosio KOBAYASI*: A new genus of Hyphomycetes

小林義雄*: 不完全糸状菌類の一新属

On the occasion of fungous foray held in Shima, Gumma Prefecture, in June 1980, Mr. Takashi Suda, Mushroom Research Institute, found the very interesting fungi on decaying log, which were already collected in Kiryû by him and succeeded in pure culture. The numerous gemmae are produced in each part of head of fruitbody as illustrated in figures. The writer has never seen such a polycephalous fruitbody in any imperfect fungi.

Synnematomyces Y. Kobayasi, gen. nov. (Hyphomycetes)

Synnema e stipite et capite terminale compositum. Caput e capitibus fasciculatis compositum. Capitula e peridio et medulla constructa. Medulla ex hyphis multiseptatis constructa, maturitate gemmas numerosas producta.

Type species: *Synnematomyces capitata* Y. Kobayasi

Synnematomyces capitata Y. Kobayasi, sp. nov.

Synnema solitarium carnosum, 3-6 mm altum. Stipes cylindricus, 2-4×0.8-1.3 mm, citrinus, laevis medullatus, sine peridio, e hyphis fasciculatis compositus; hyphis superficialibus confertis 3.5-6 μ crassis, hyphis penitis laxis 7.5-10 μ crassis, tenuiparietalibus. Caput e 20-40 capitulibus compositum, globosum vel paullo depressum, 3-5 mm in diam. Capitulum ellipsoideum vel fusiforme, 2-3×0.7-0.8 mm, aurantium; peridio tenue e hyphis gracilibus composito, maturitate erupto deinde descito. Medulla capituli pallide ochracea e hyphis multiseptatis crassis composita, maturitate gemmas numerosas producta. Gemmae globosae, pyriformes vel ellipsoideae, saepe curvatae, fere hyalinae, 1-2 vacuolatae, 5-10 μ in diam. Status perfectus ignotus.

Hab. Solitary on dead log of frondose tree. Kiryû, Gumma Pref. (Takashi Suda, June 14, 1980 type in TNS); Shima spa (T. Suda, June 28, 1980).

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1980年6月に群馬県四万で採集された不完全糸状菌類の1種は子実体状のものの上に多数の芽子をつくる特殊なものである。筆者はかつてこのようなpolycephalousな子実

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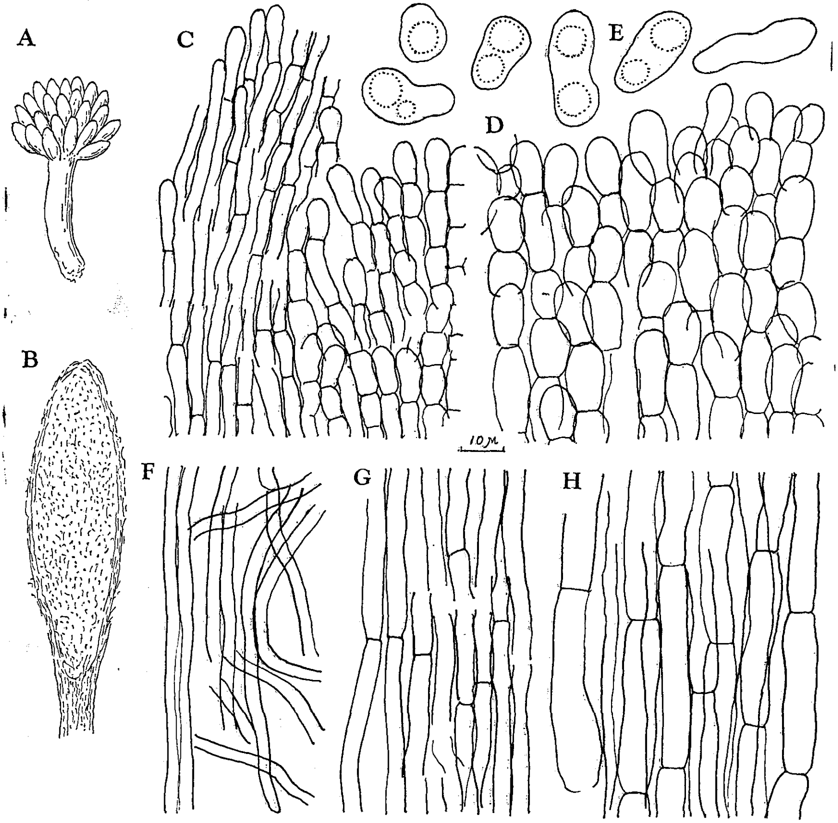

Fig. 1. *Synnematomyces capitata.* A. Synnema, ×4. B. Section of capitule, ×32. C. Peridial layer of capitule. D. Mature inner tissue. E. Gemmae. F. Surface hyphae of capitule. G. Outer tissue of stalk. H. Inner tissue of stalk.

体をもつ不完全菌類を見たことがなく，新属を代表すると考えられるので *Synnematomyces* として記載する。